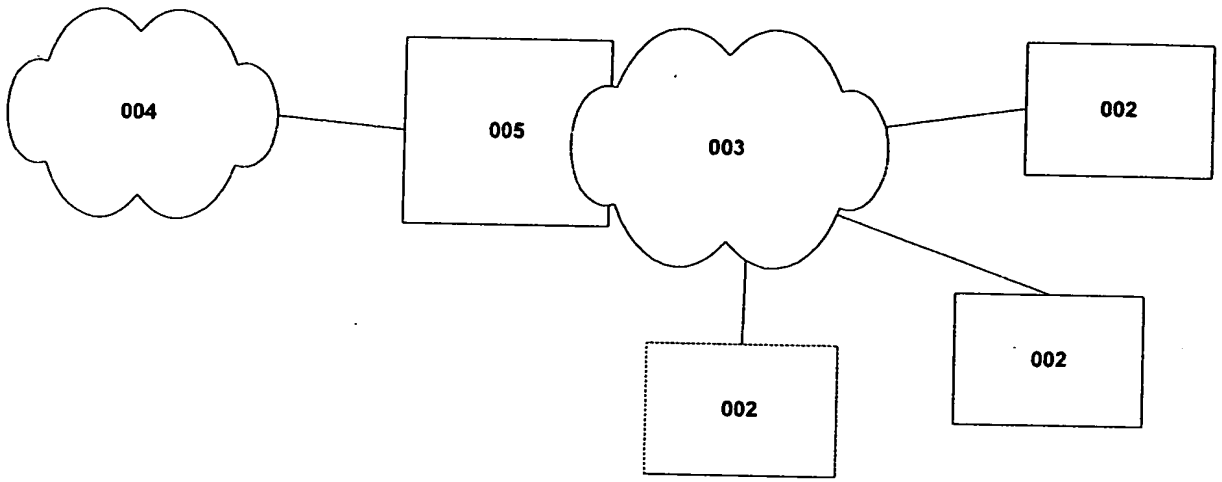


Fig. 1

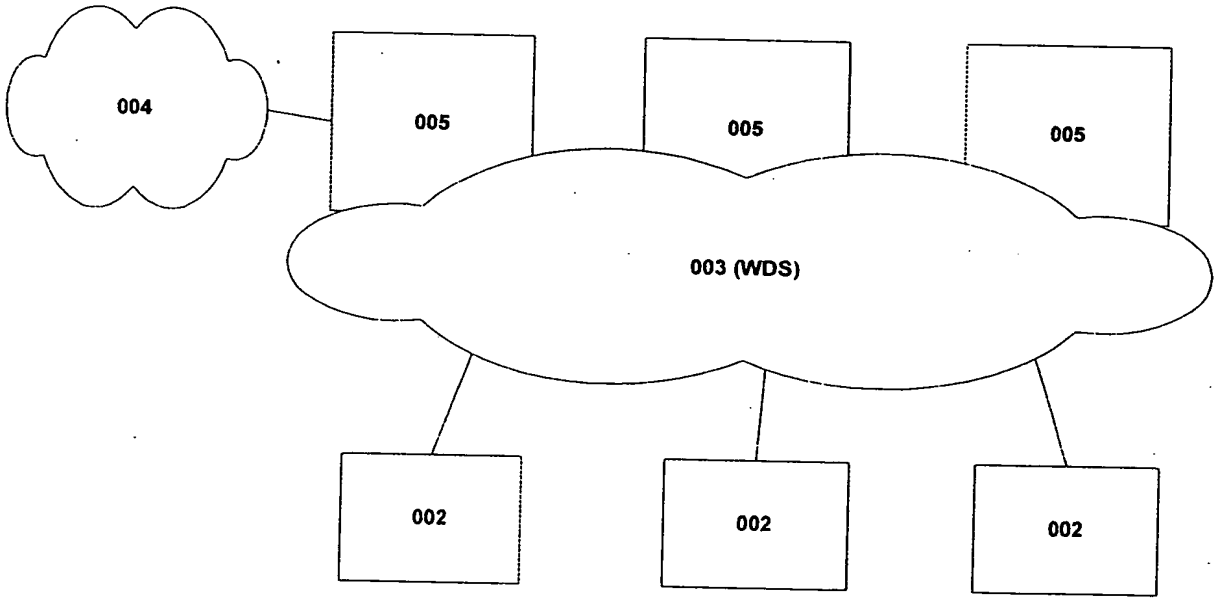


Fig. 2

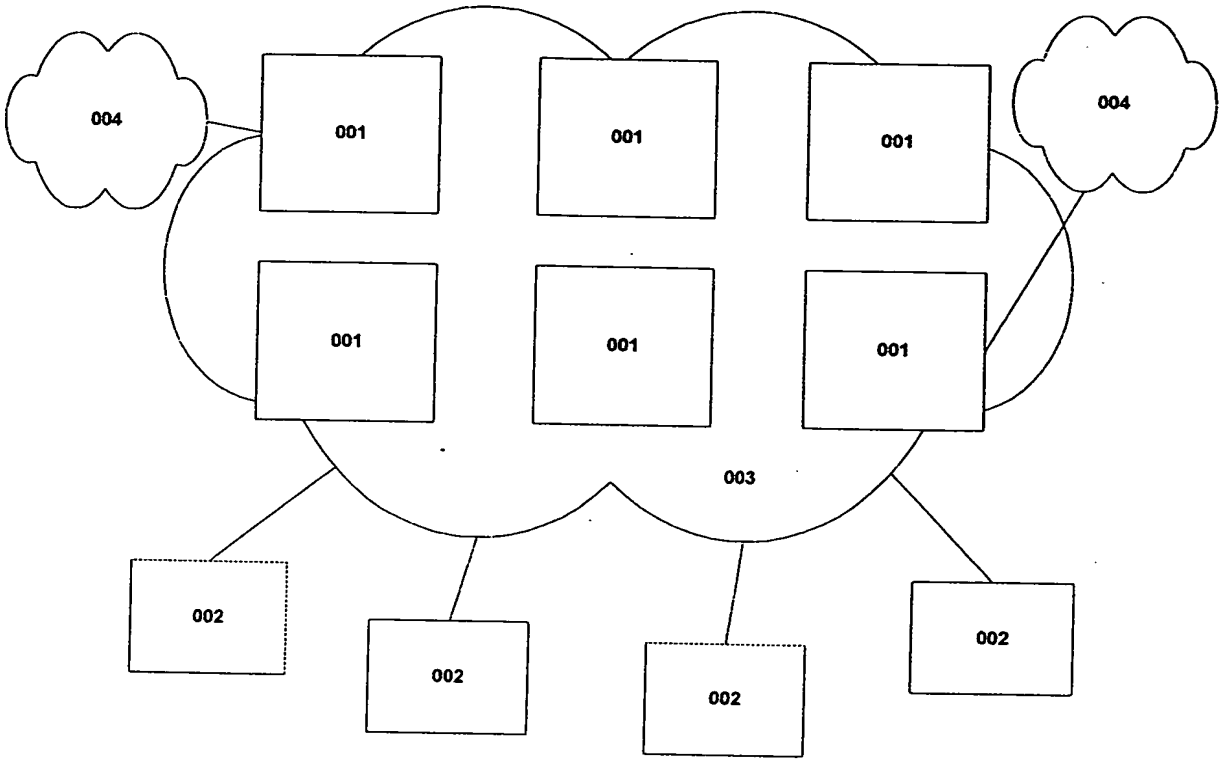


Fig. 3

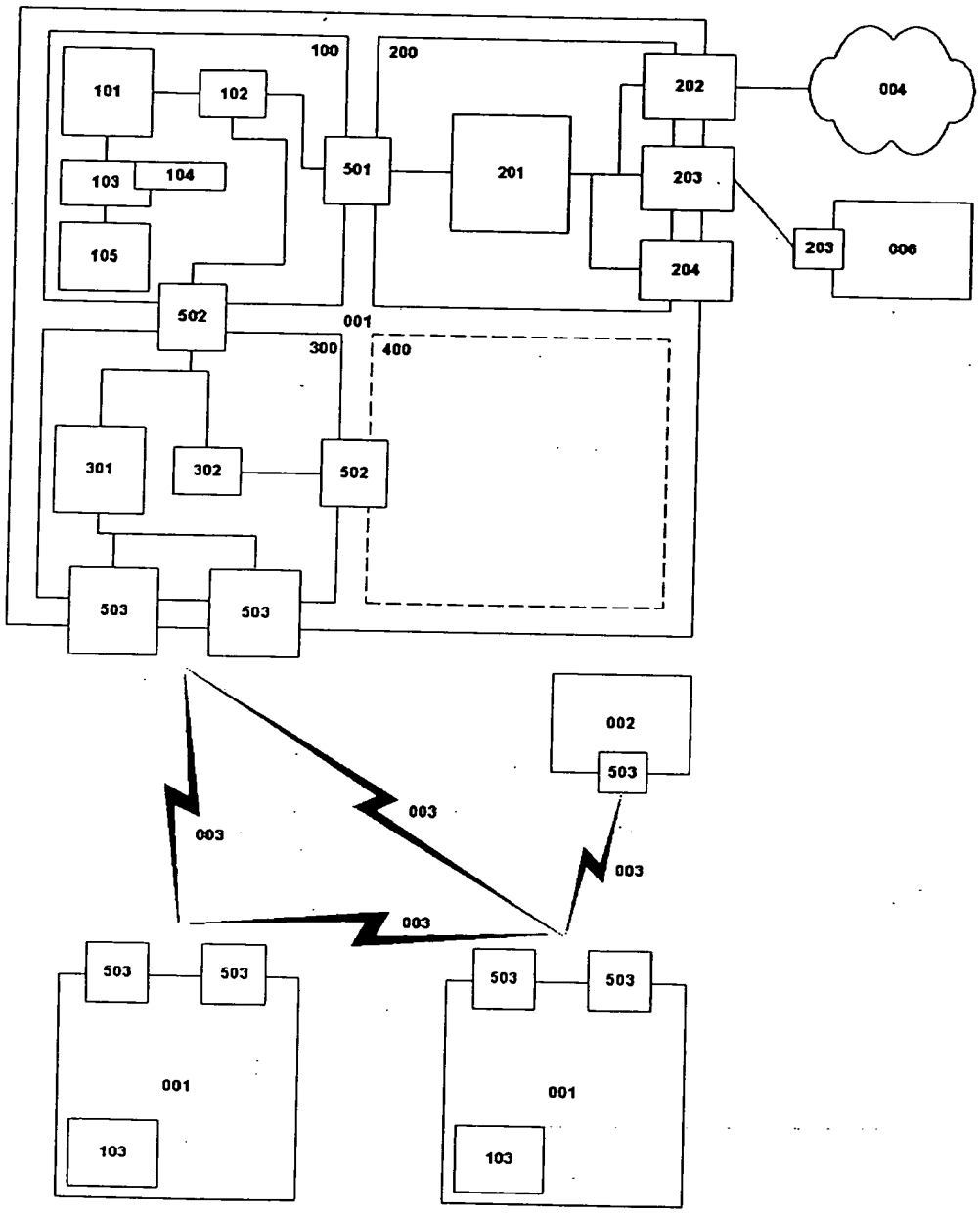

100
200
101
102
501
201
202
004
103
104
203
105
203
006
204
502
001
300
400
301
302
502
503
503
002
503
003
003
003
003
503
503
503
503
001
001
103
103

Fig. 4

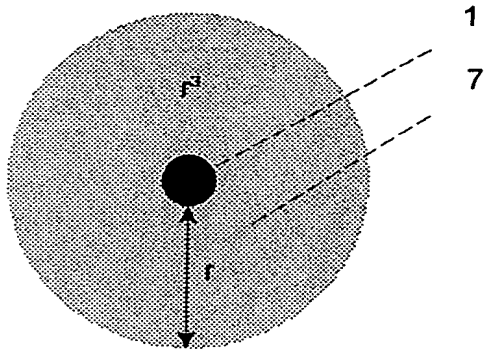


Fig. 5

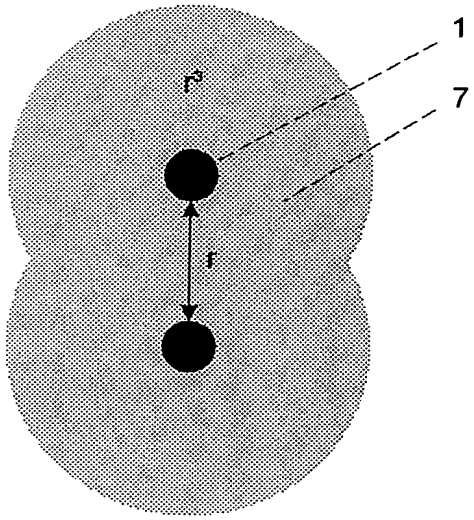


Fig. 6

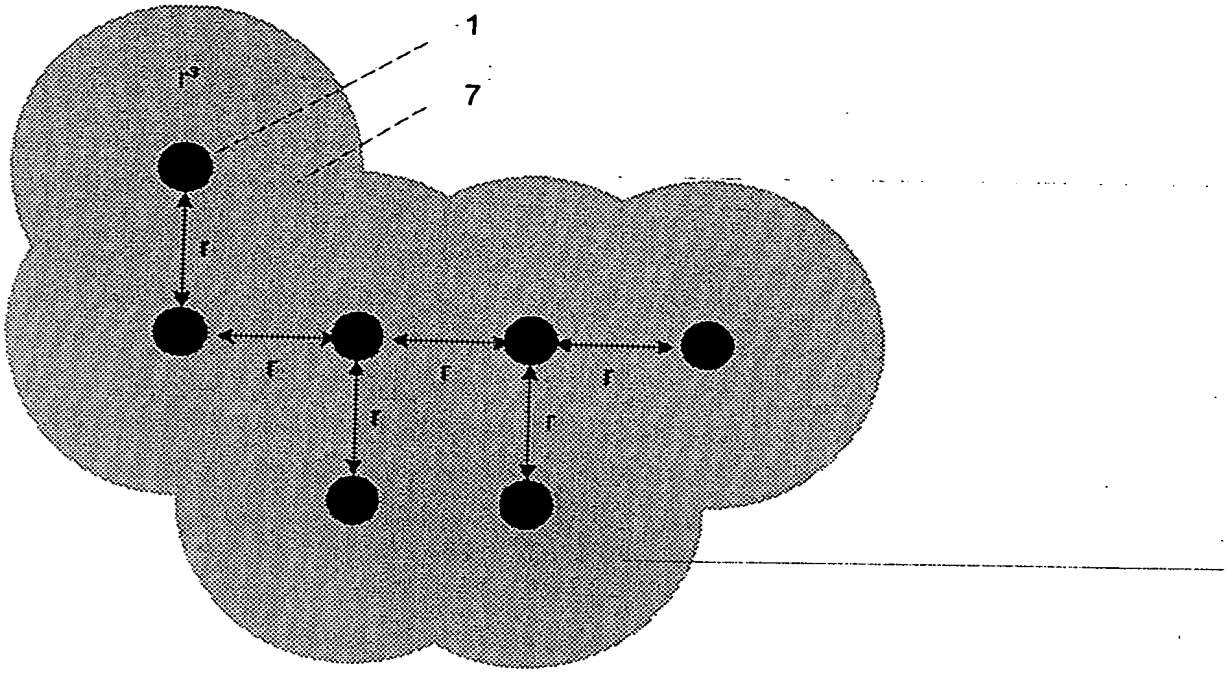


Fig. 7

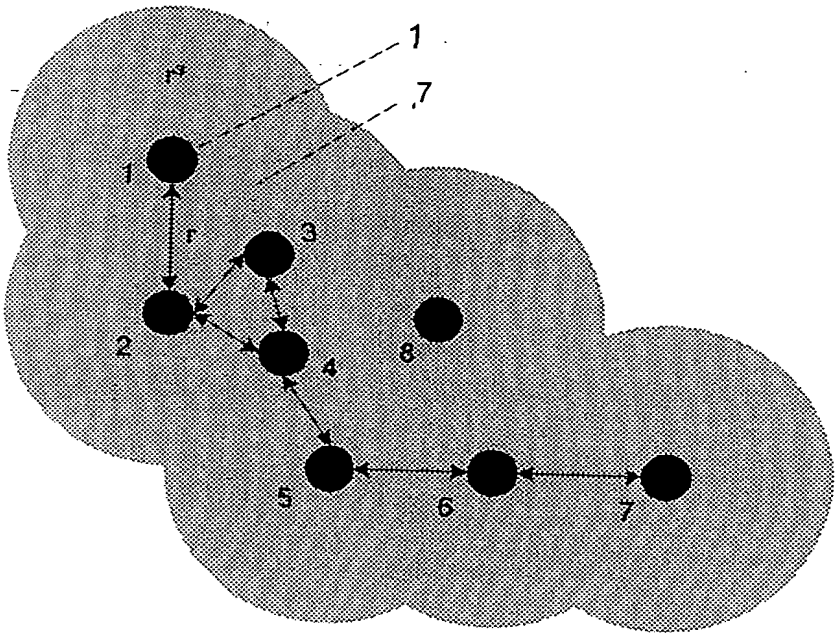


Fig. 8

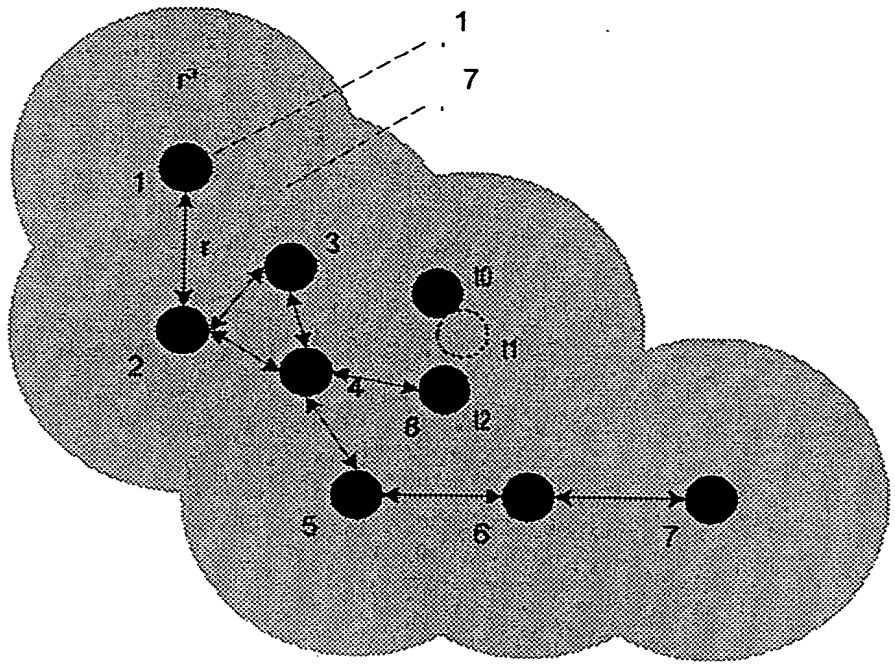


Fig. 9

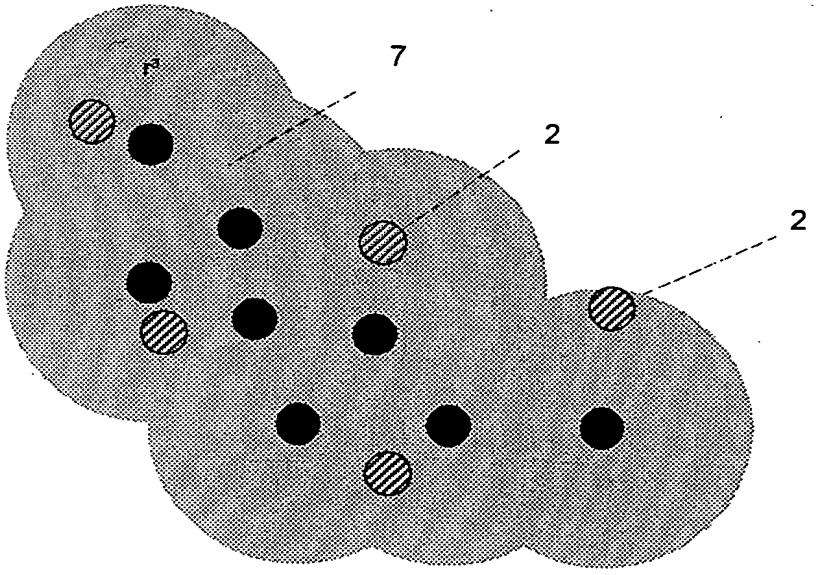


Fig. 10

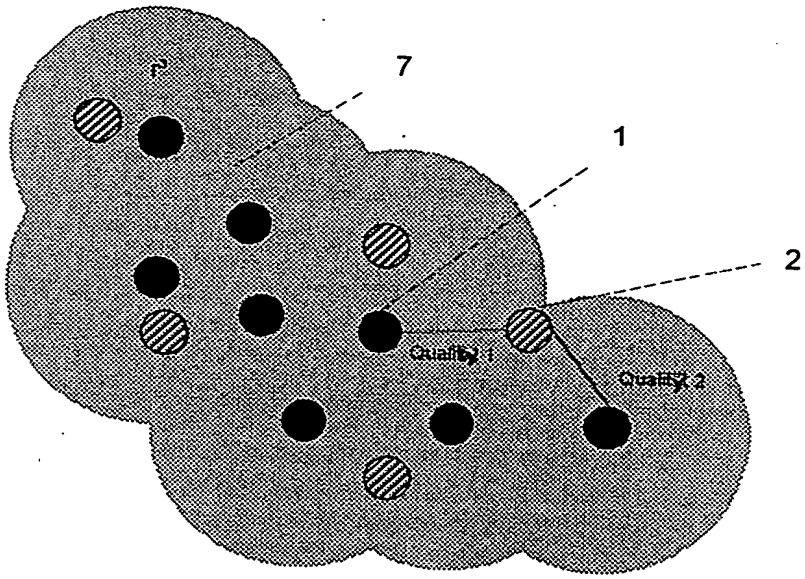


Fig. 11

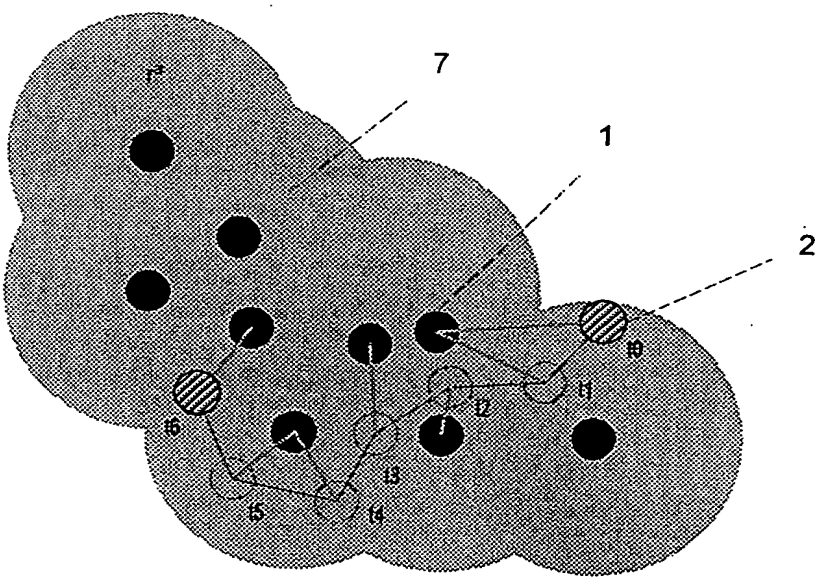


Fig. 12

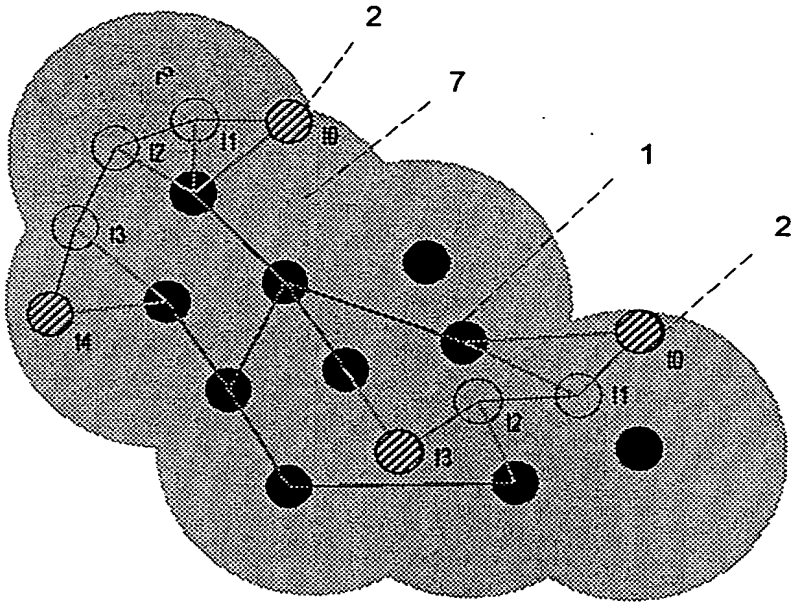


Fig. 13

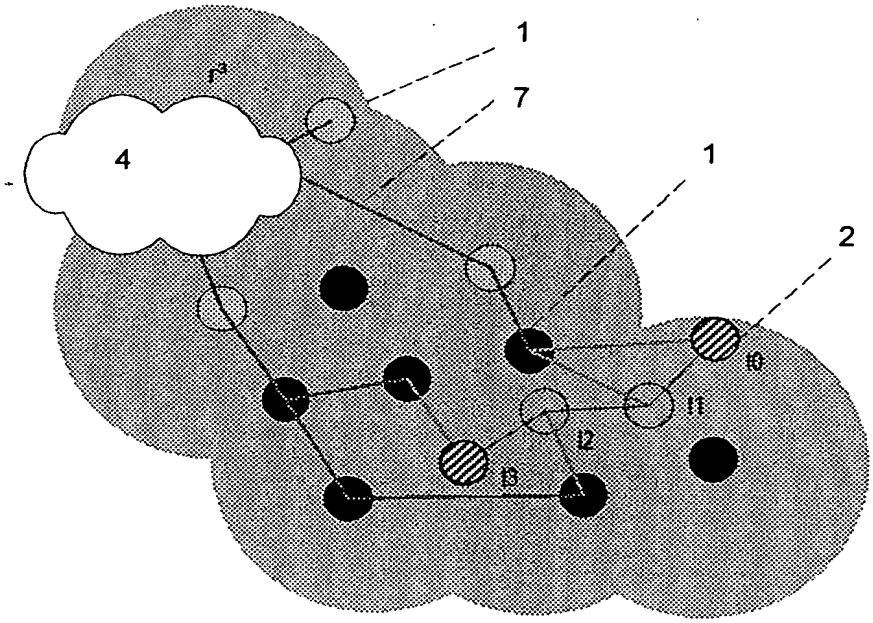


Fig. 14

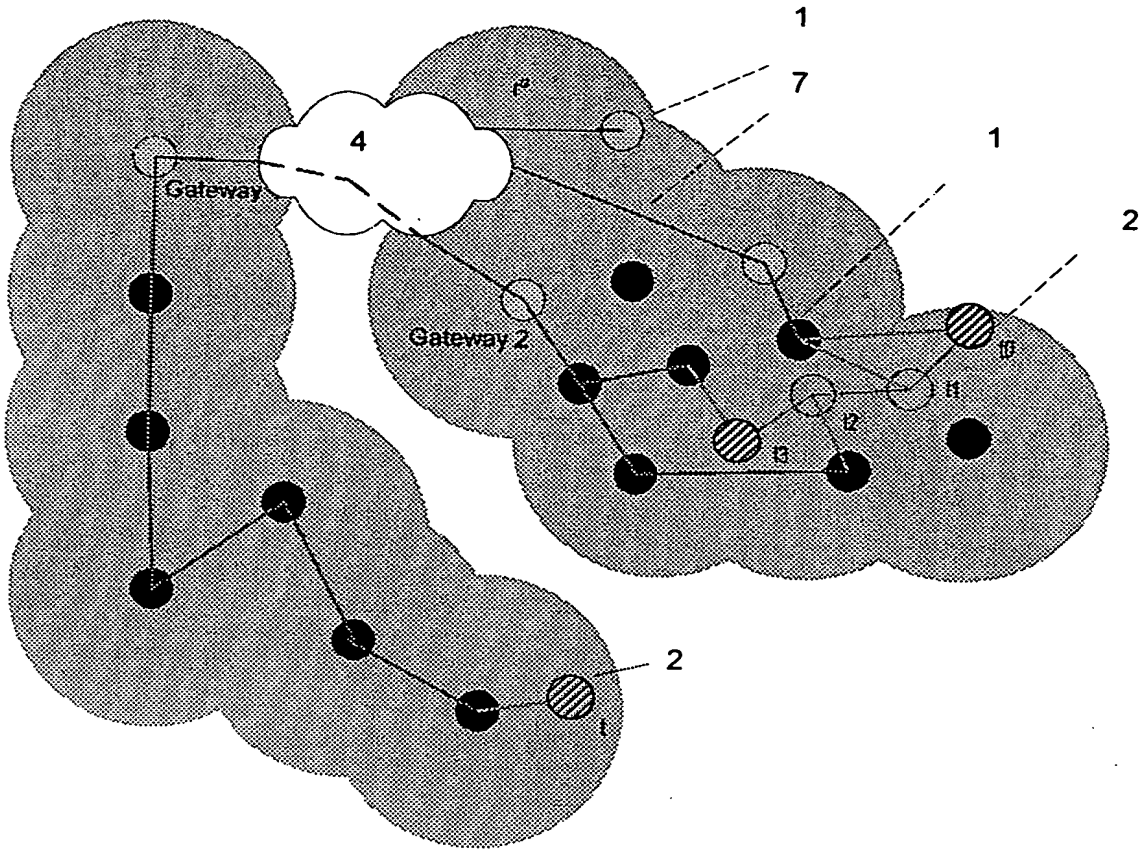
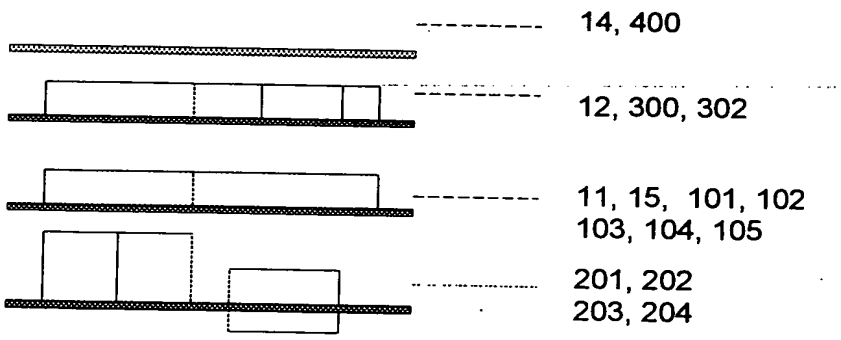

1
7
4
1
2
Gateway
Gateway 2
2

Fig. 15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12, 300, 302
11, 15, 101, 102
103, 104, 105
201, 202
203, 204

Fig. 16

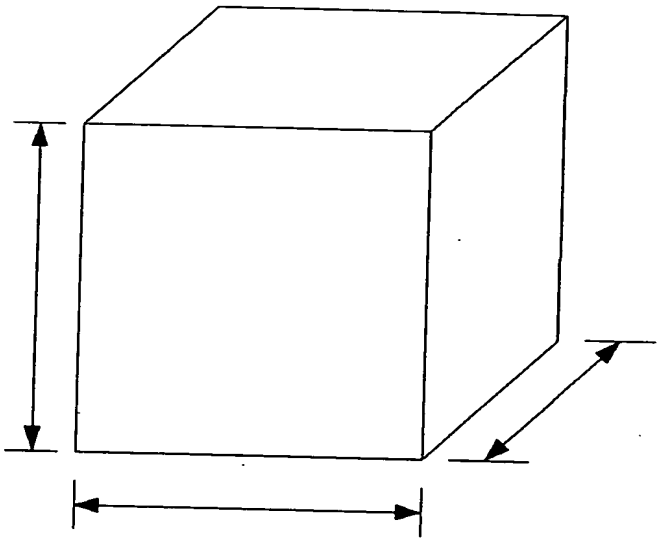

Fig. 17

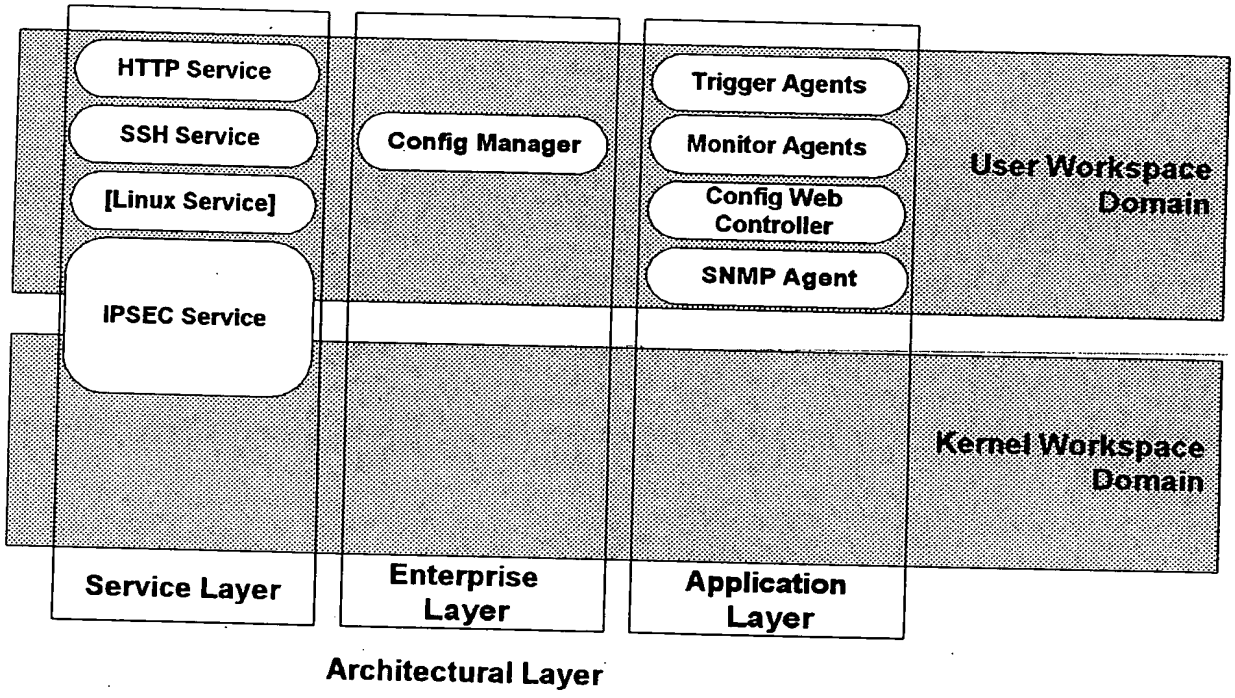
HTTP Service
SSH Service
[Linux Service]
IPSEC Service
Config Manager
Trigger Agents
Monitor Agents
Config Web Controller
SNMP Agent
User Workspace Domain
Kernel Workspace Domain
Service Layer
Enterprise Layer
Application Layer
Architectural Layer

Fig. 18

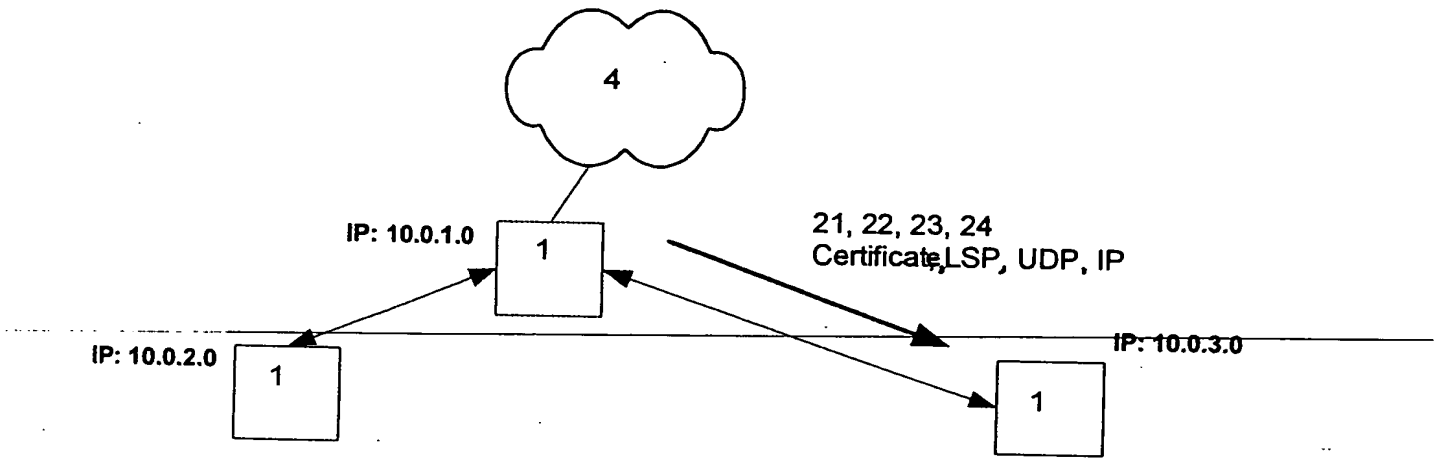

Fig. 19

Information type	Router ID	Sequence number
Age of data packets	Number of hops	Number of interfaces
Number of external routers	Local interface address	Number of neighbours
Neighbour interface address	Neighbour interface metrics	
....	....	
External route address	External route net mask	External route metrics

Fig. 20

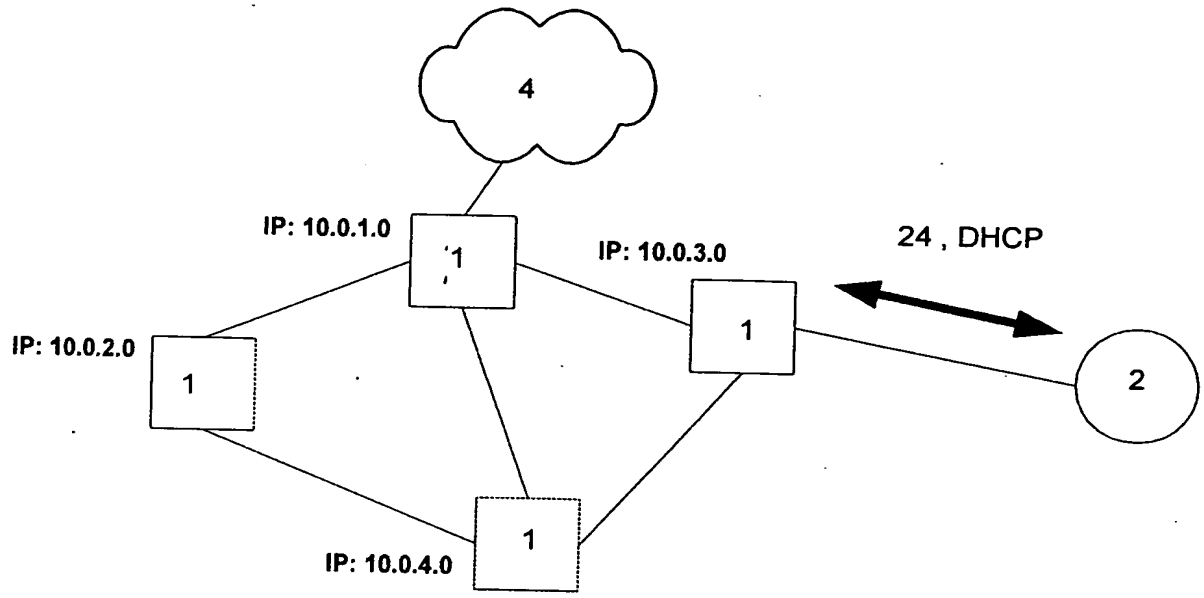
4
IP: 10.0.1.0
1
IP: 10.0.3.0
24 , DHCP
IP: 10.0.2.0
1
1
2
1
IP: 10.0.4.0

Fig. 21

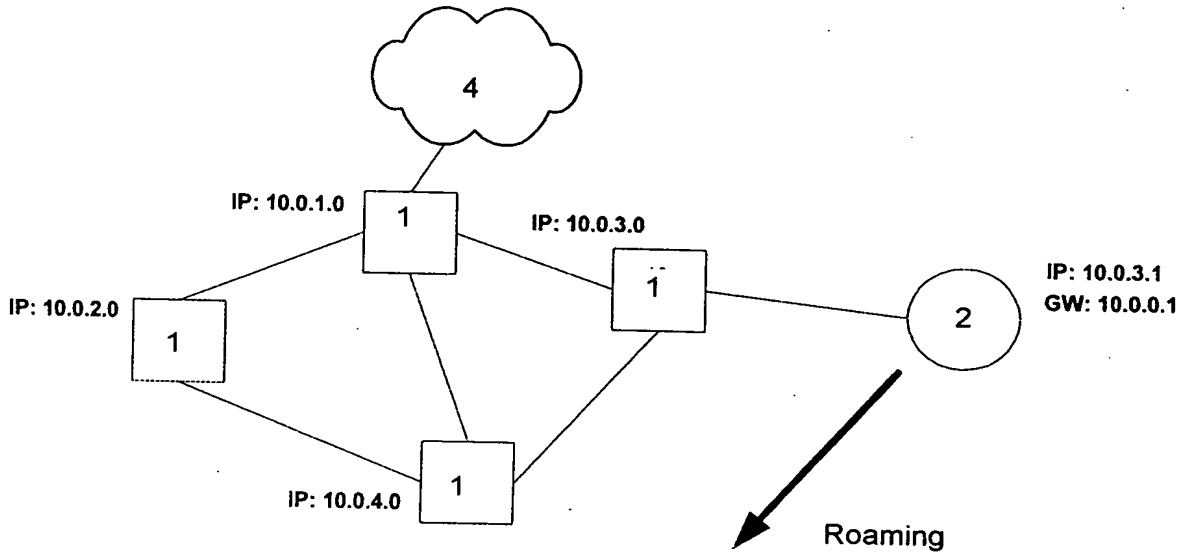
4
IP: 10.0.1.0
1
IP: 10.0.3.0
1
IP: 10.0.3.1
GW: 10.0.0.1
IP: 10.0.2.0
1
2
1
IP: 10.0.4.0
Roaming

Fig. 22

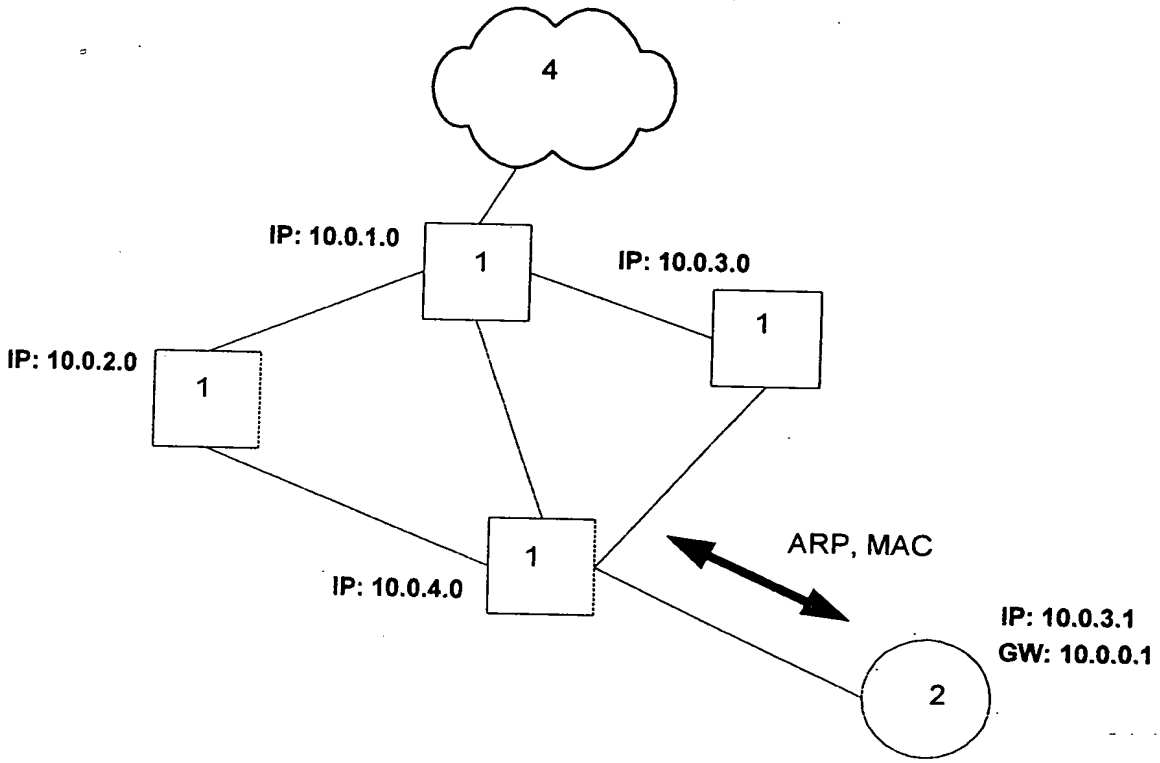
4
IP: 10.0.1.0
1
IP: 10.0.3.0
1
IP: 10.0.2.0
1
1
IP: 10.0.4.0
ARP, MAC
IP: 10.0.3.1
GW: 10.0.0.1
2

Fig. 23

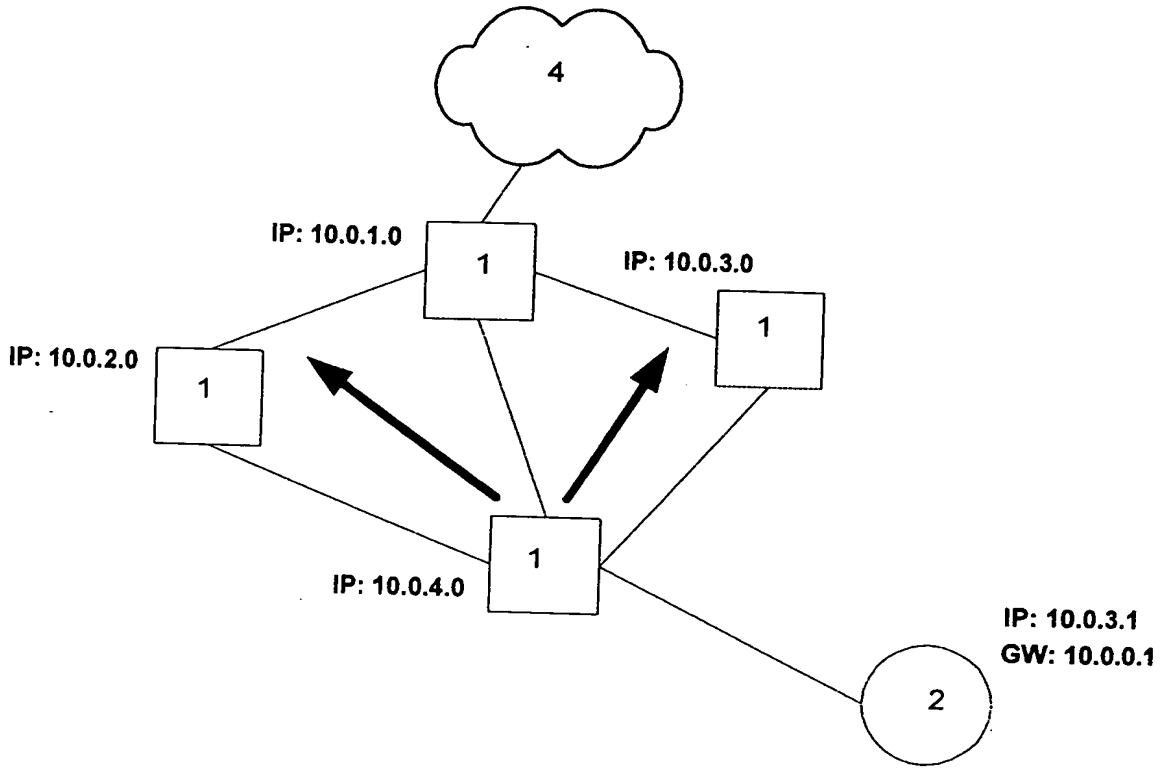
4
IP: 10.0.1.0
1
IP: 10.0.3.0
1
IP: 10.0.2.0
1
1
IP: 10.0.4.0
IP: 10.0.3.1
GW: 10.0.0.1
2

Fig. 24

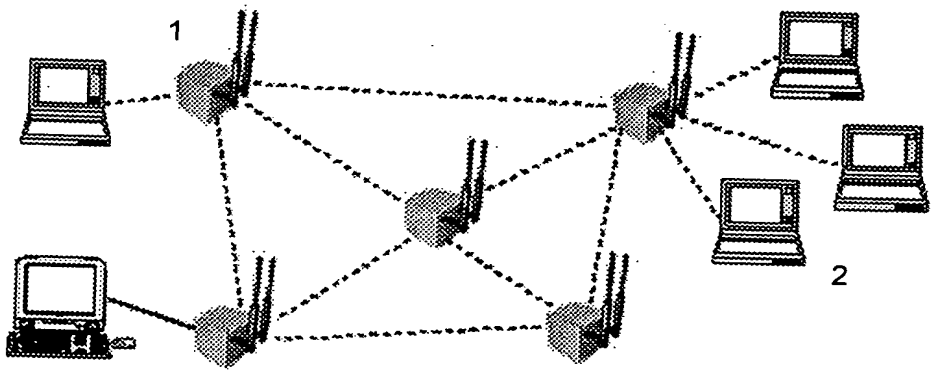
1
2

Fig. 25

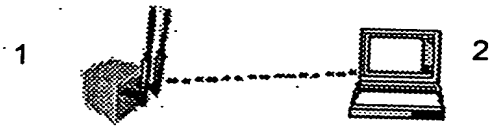

Fig. 26

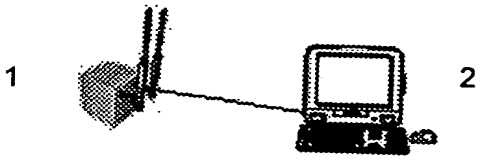

Fig. 27

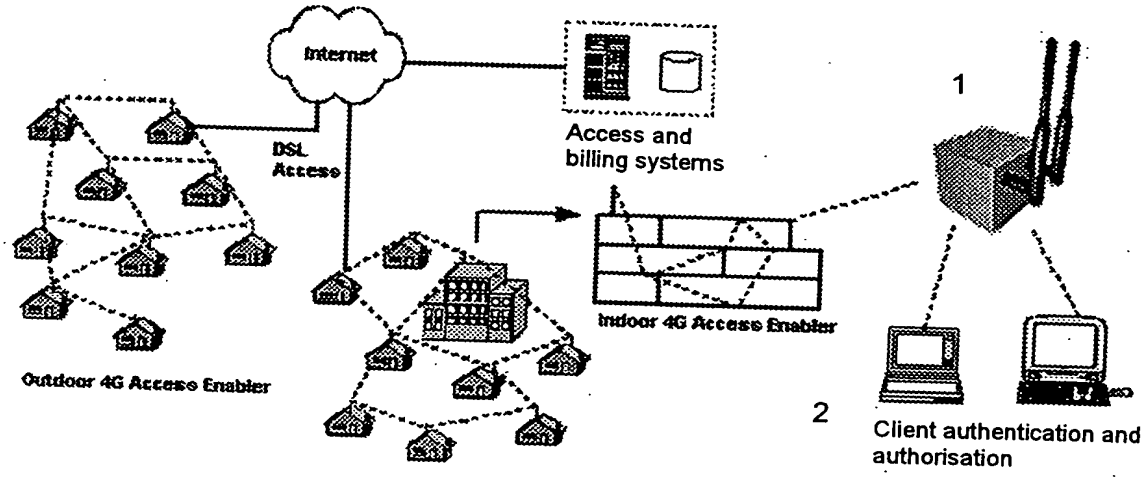

Fig. 28